

US EPA Region 5 summary remarks Health study of airborne manganese (Mn) in Ohio adults – preliminary results East Liverpool Ohio - July 11, 2013

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Key points

- US EPA funded study looked at potential effects of long term Mn exposure in adults
- Health study found subtle health effects associated with airborne Mn
- Airborne Mn has been high in East Liverpool



Key points (continued):

- SH Bell has made substantial changes to its operations
- Airborne Mn lower now than in past due to long term efforts (SH Bell, Ohio agencies, federal agencies)
- US EPA's most recent SH Bell investigation conducted in summer 2013
- State and federal agencies will continue monitoring and oversight

Annual average airborne Mn concentrations in East Liverpool decreased from 2003-2012

(composite TSP samples; arithmetic mean)

